

FIGURE 1

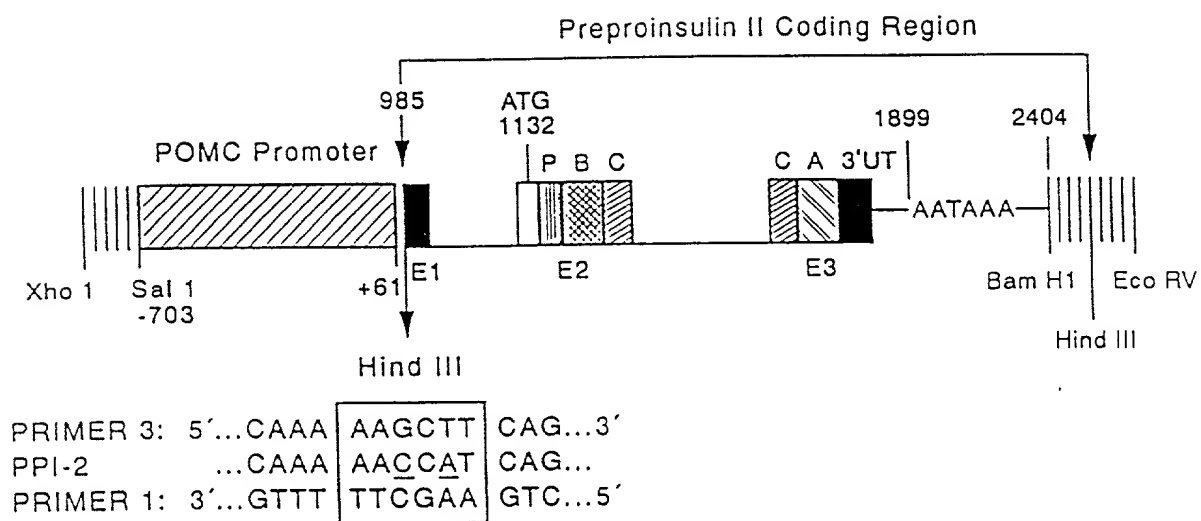
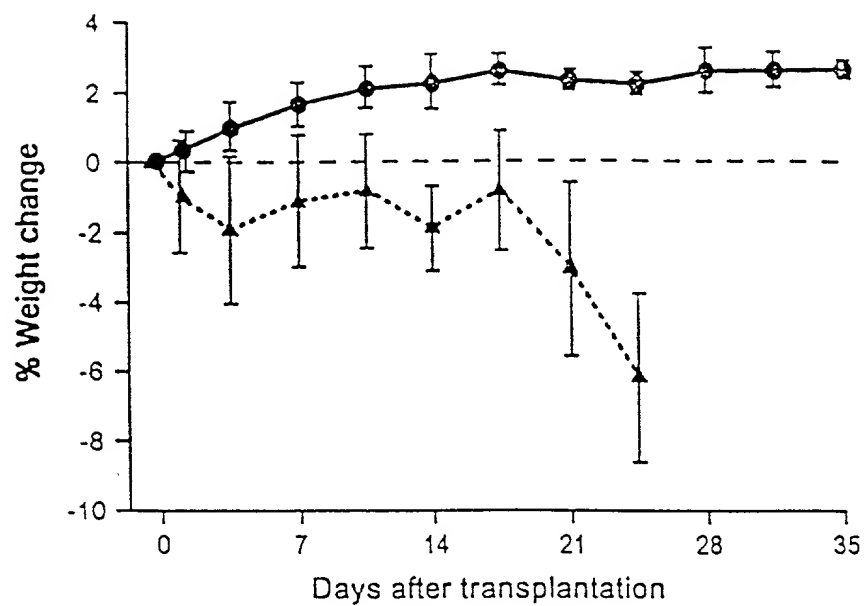


FIGURE 2

PANEL (A)



PANEL (B)

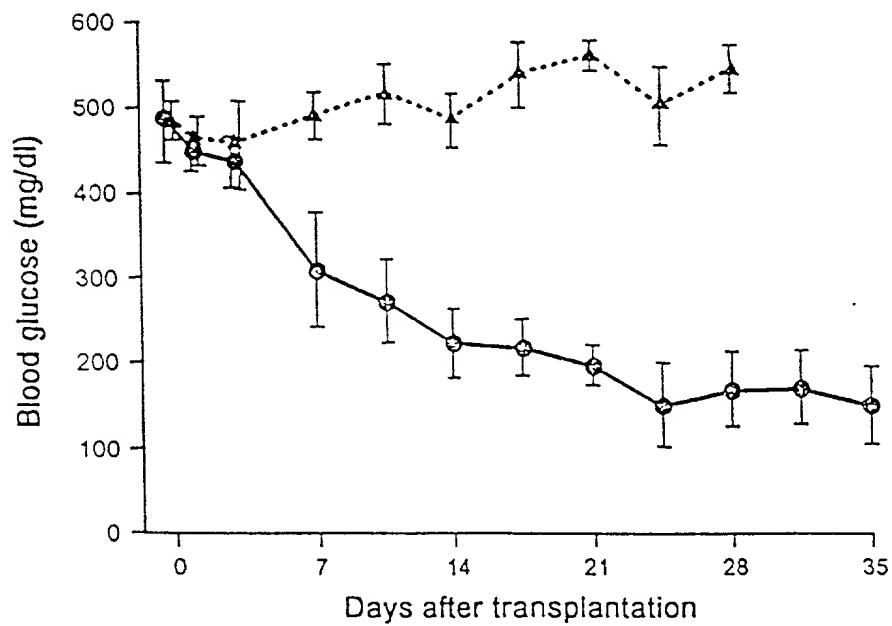


FIGURE 3

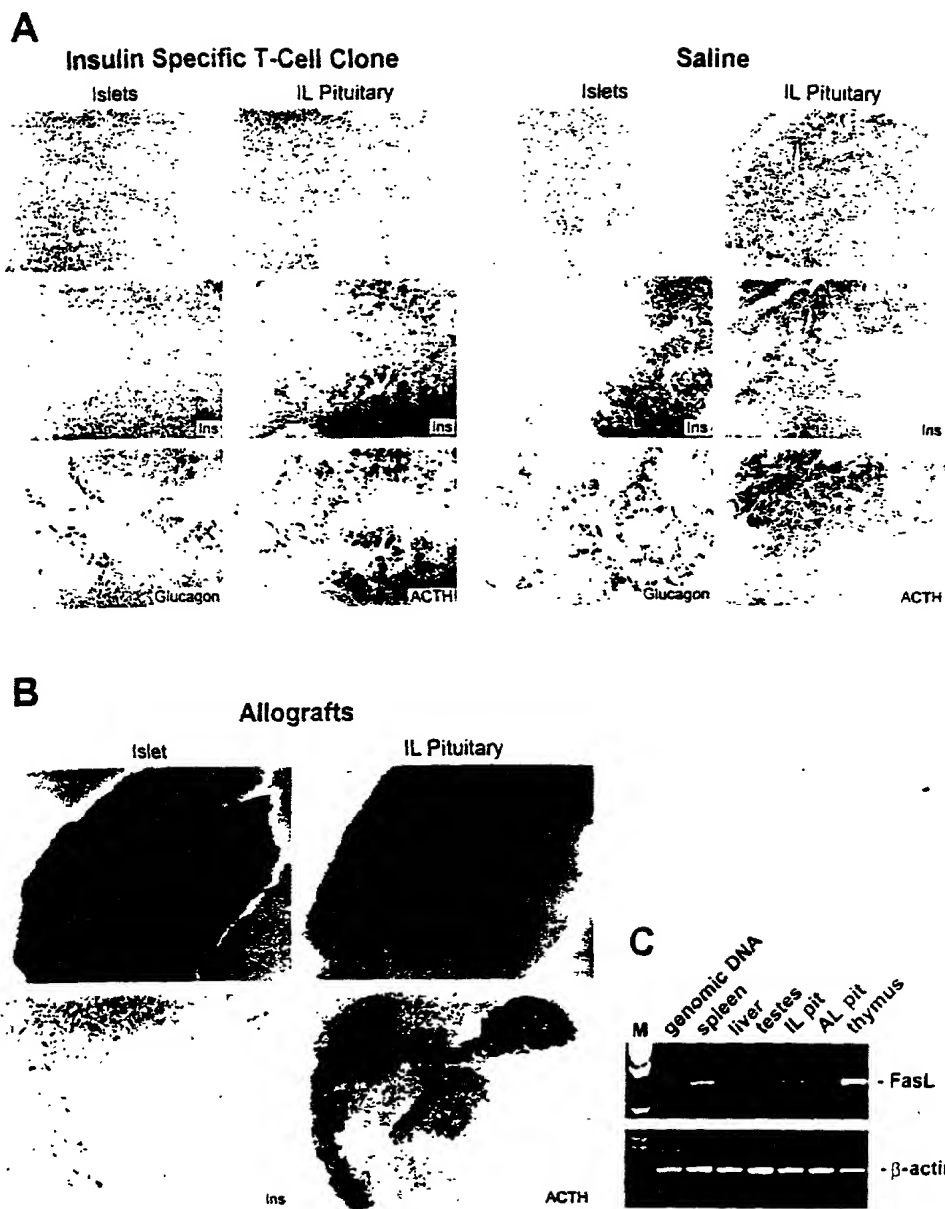


FIGURE 4

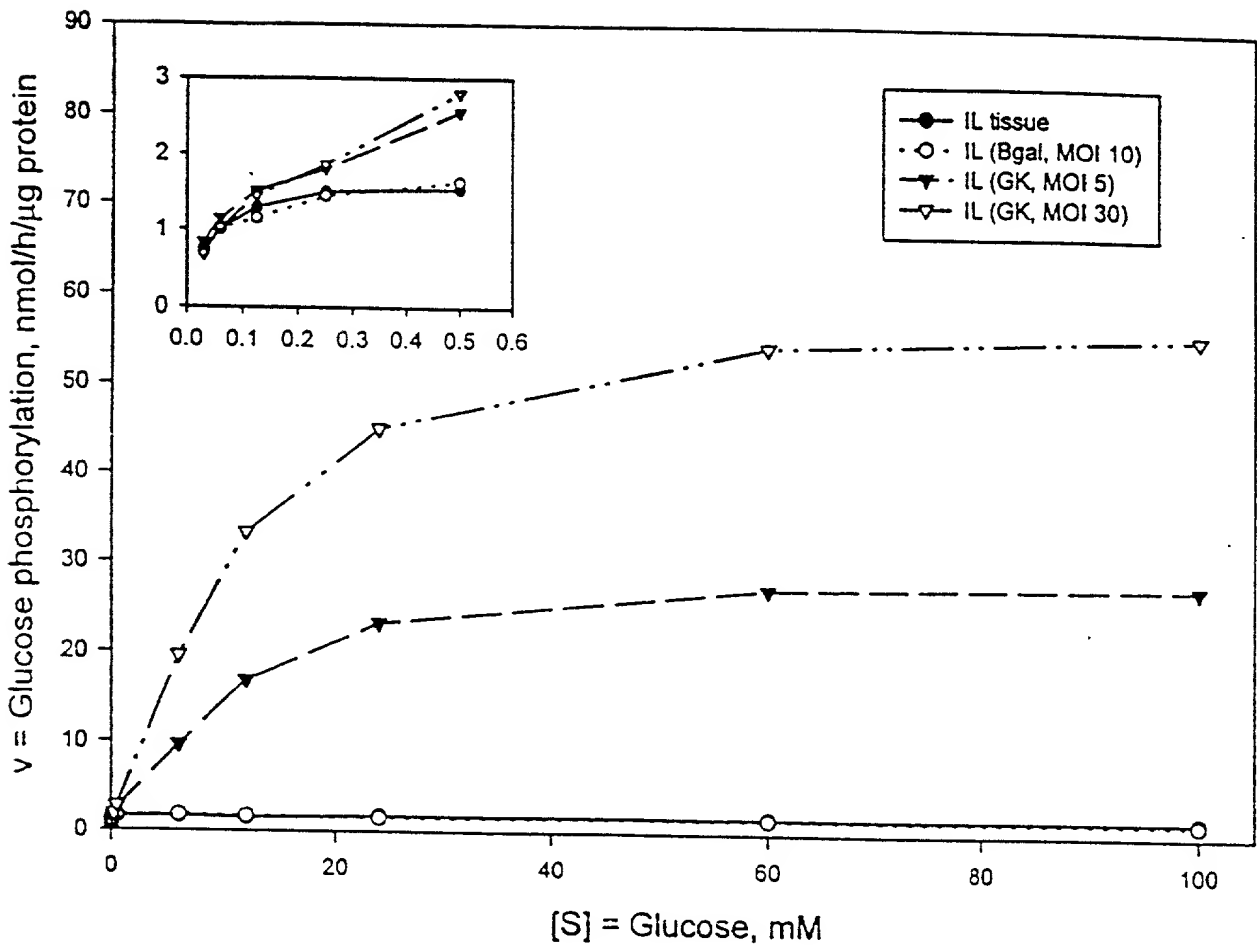


FIGURE 5

3-OMG uptake (1/2/98)

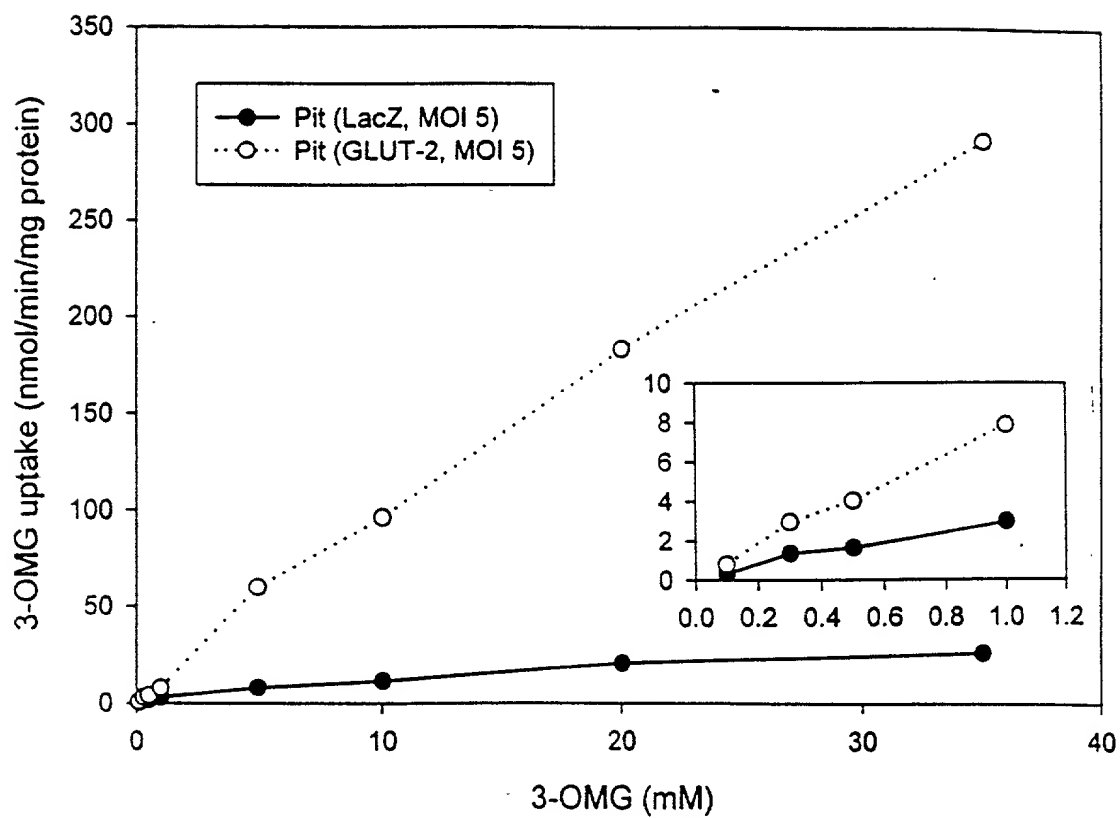


FIGURE 6

Figure 1 is a line graph showing the relationship between glucose concentration and $[5-^3\text{H}]\text{-glucose}$ usage (measured as H_2O formation) for four different Pit constructs. The x-axis represents Glucose (mM) from 0 to 25, and the y-axis represents $[5-^3\text{H}]\text{-glucose}$ usage $[\text{H}_2\text{O}$ formation (nmol/h/ μg protein)] from 0 to 4. The legend identifies four constructs: Pit (LacZ) (circles), Pit (GK) (triangles), Pit (GLUT-2) (squares), and Pit (GK/GLUT-2) (diamonds). The Pit (GK/GLUT-2) construct shows the highest glucose usage, increasing linearly from approximately 0.5 nmol/h/ μg at 0 mM to 3.3 nmol/h/ μg at 19 mM. The other three constructs show lower, more similar usage, increasing from approximately 0.2-0.5 nmol/h/ μg at 0 mM to 1.0-1.7 nmol/h/ μg at 19 mM. Error bars are shown for each data point.

Glucose (mM)	Pit (LacZ)	Pit (GK)	Pit (GLUT-2)	Pit (GK/GLUT-2)
0	0.2	0.5	0.4	0.5
2.5	0.8	1.0	1.0	1.7
19	1.1	1.6	1.3	3.3
